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(19) **United States**(12) **Patent Application Publication**
McQueen et al.(10) **Pub. No.: US 2020/0301378 A1**(43) **Pub. Date: Sep. 24, 2020**(54) **DEDUCING FLOOR PLANS USING
MODULAR WALL UNITS**(52) **U.S. Cl.**CPC **G05B 15/02** (2013.01); **H01H 2300/03**
(2013.01); **G05B 2219/2642** (2013.01)(71) Applicant: **Apple Inc.**, Cupertino, CA (US)(72) Inventors: **Travis McQueen**, San Jose, CA (US);
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(57)

ABSTRACT

In some embodiments, a method comprises receiving floor plan data corresponding to at least one of a location, dimensions, or orientation of one or more walls defining at least one room of a building; receiving sensor data corresponding to detected activity within the at least one room of the building; determining a type of the at least one room of the building based on the detected activity; and modifying the floor plan data to include the determined type of the at least one of the one or more rooms, wherein a visual representation of the floor plan data is operable to be output on a display device. The method can further include determining an area of the at least one room of the building, where determining the type of the at least one room can be further based on the area of the at least one room.

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